

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F13/16

TO 30 MAR 2005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 076 139 A (WELKER ET AL) 13 June 2000 (2000-06-13)	1,2,4,5, 10,12, 13,15, 16,21
Y	column 3, line 31 - column 4, line 67 column 7, line 28 - column 9, line 6 claims 1-7; figures 2,3,7	3,8,9, 11,14, 19,20,22
X	US 5 761 455 A (KING ET AL) 2 June 1998 (1998-06-02)	1,2,12, 13
Y	the whole document	3,8,9, 11,14, 19,20,22
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- * & * document member of the same patent family

Date of the actual completion of the international search

15 June 2004

Date of mailing of the international search report

22/06/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 038 630 A (FOSTER ET AL) 14 March 2000 (2000-03-14) the whole document	1,2,5, 12,13,16
X	PATENT ABSTRACTS OF JAPAN vol. 008, no. 275 (P-321), 15 December 1984 (1984-12-15) & JP 59 142655 A (NIPPON DENKI KK), 15 August 1984 (1984-08-15) abstract	1,2,12, 13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP03/10509

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6076139	A	13-06-2000	US 6308248 B1 EP 0851353 A1 JP 10247163 A	23-10-2001 01-07-1998 14-09-1998
US 5761455	A	02-06-1998	NONE	
US 6038630	A	14-03-2000	NONE	
JP 59142655	A	15-08-1984	NONE	